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|-----|--|--|----------------------------|---|------------------------------|--|-----------------------|---------------------------|--------------------|------------------|--|
|     | 23911<br>CROWELL &<br>INTELLECTUA<br>P.O. BOX 14300  | L PROPERTY GRO   | 72008 FEB 2                | 3/  |                              | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying appers. Each additional paper, such as an assignment or formal drawing, much as the sum of the su |                       |                           |                    |                  |  |
| 02/ | WASHINGTON<br>00 CHAU2 0003/E5   | , DC 20044-4300<br>1000093 10532489  | CO TRA                     | DEMAN   | Jane                         |  | et M. MacLeod,        |                           | (Depositor's name) |                  |  |
|     | FC:1501 1510.00 OP<br>FC:1504 300.00 OP  |  |                            |   | 7                            | Skull<br>Febr  | <i>y )</i><br>uary 17 | 71 ft sep<br>, 2009       |                    | (Signature)      |  |
|     | APPLICATION NO.  | FILING DATE  |                            | FIRST NAMED INVENT  | NTOR A                       |  | ATTORNEY DOCKET NO.   |                           | CONFIRMATI         | CONFIRMATION NO. |  |
| ٠.  | 10/532,489<br>TITLE OF INVENTION:  | 02/21/2006<br>: A34 AND A33-LIKE 3   | BDNA, PROTEINS, AN         | Matthew Scanlan   | ANI                          | D METHODS OF T   |                       | .51088US2<br>NT USING SAI | 3837<br>ME         |                  |  |
|     | APPLN. TYPE  | SMALL ENTITY   | ISSUE FEE DUE              | PUBLICATION FEE DI  | JE                           | PREV. PAID ISSUE   | FEE TO                | TAL FEE(S) DUE            | DATE               | DUE              |  |
|     | nonprovisional   | NO   | \$1510                     | \$300   |                              | \$0  |                       | · \$1810                  | 03/11/             | 2009             |  |
|     | EXAMINER   |  | ART UNIT                   | CLASS-SUBCLASS  |                              |  |                       |                           |                    |                  |  |
|     | NATARAJĄN, MEERA   |  | 1643                       | 530-388800  | 530-388800                   |  | · · ·                 | · .                       | · · · · ·          | · · · · · ·      |  |
| ٠   | _  | ence address or indication<br>ondence address (or Char<br>1/122) attached.<br>cation (or "Fee Address"<br>2 or more recent) attached   | nge of Correspondence      | 2. For printing on the (1) the names of upor agents OR, altern (2) the name of a siregistered attorney 2 registered patent listed, no name will | to<br>nativ<br>ingle<br>or a | 3 registered patent<br>ely,<br>firm (having as a a<br>gent) and the name<br>neys or agents. If n   | ed patent attorneys   |                           |                    | & Moring LLP     |  |
|     | 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  |  |                            |   |                              |  |                       |                           |                    |                  |  |
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|     | (A) NAME OF ASSIG  | •  |                            | (B) RESIDENCE: (C   |                              |  |                       |                           |                    | ٠.               |  |
|     | Ludwig Institute   | for Cancer Rese  | arch                       | 605 Third A   | ٩ve                          | enue, New Yo   | ork, Ne               | w York 10                 | 158                |                  |  |
|     | Please check the appropri  | ate assignee category or   | categories (will not be pr | rinted on the patent):  |                              | Individual 🙀 Cor   | poration or           | other private gr          | oup entity 🔲 C     | Governmen        |  |
|     | 4a. The following fee(s) a    X   Issue Fee   X   Publication Fee (Note of the content of the co | 4b. Payment of Fcc(s): (Please first reapply any previously paid issue fee shown above)  □ A check is enclosed.  □ Payment by credit card. Form PTO-2038 is attached.  □ The Director is hereby authorized to charge the required fec(s), any deficiency, or credit any overpayment, to Deposit Account Number |                            |   |                              |  |                       |                           |                    |                  |  |
|     | **   | SMALL ENTITY statu   |                            | ☐ b. Applicant is no  | long                         | er claiming SMAL   | L ENTITY              | status. See 37 C          | FR 1.27(g)(2).     |                  |  |

Typed or printed name Annet M. MacLeod 35,263 Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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maintenance fee notifications Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 23911 7590 12/11/2008 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300 (Depositor's hame) Janet M. MacLeod (Signature (Date 2009 ATTORNEY DOCKET NO. CONFIRMATION NO. FIRST NAMED INVENTOR APPLICATION NO. FILING DATE 029065.51088US2 3837 Matthew Scanlan 02/21/2006 TITLE OF INVENTION: A34 AND A33-LIKE 3DNA, PROTEINS, ANTIBODIES THERETO AND METHODS OF TREATMENT USING SAME DATE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE APPLN, TYPE 03/11/2009 \$1810 NO \$1510 \$300 \$0 nonprovisional CLASS-SUBCLASS **EXAMINER ART UNIT** 530-388800 NATARAJAN, MEERA 1643 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Crowell & Moring LLP (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filling an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE Ludwig Institute for Cancer Research 605 Third Avenue, New York, New York 10158

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35,263 Registration No.

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